

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Pacific Coast

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. An evaluation was completed on the Moclips STP. The Moclips STP is a new facility and evaluation of the operation and performance of the system is ongoing. The beaches adjacent to the mouth of the Moclips River remain in temporary closed status pending the outcome of this evaluation. DOH completed a routine survey of the shoreline and uplands along the Pacific Coast shellfish area. The survey examined 62 drainage or, shoreline development activities and recreational horse use of the marine shoreline along the 28 miles of marine shoreline. No direct or indirect impacts were identified that would prohibit commercial shellfish harvest. The report recommends a reevaluation of the existing closure zone around the mouth of the Moclips River, an examination of freshwater quality discharged from Connor Creek, and an evaluation of horseback riding practices on the ocean beaches.,

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Sampling stations #4 and #5 are of concern due to elevated bacteria levels.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- Well within the classification standards
- Meets standards but some concerns
- Meets standards but threatened with a downgrade in classification
- Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **PACIFIC COAST**

Classification: **Approved, Prohibited, Unclassified**

From **02/05/2001** To **12/15/2005**

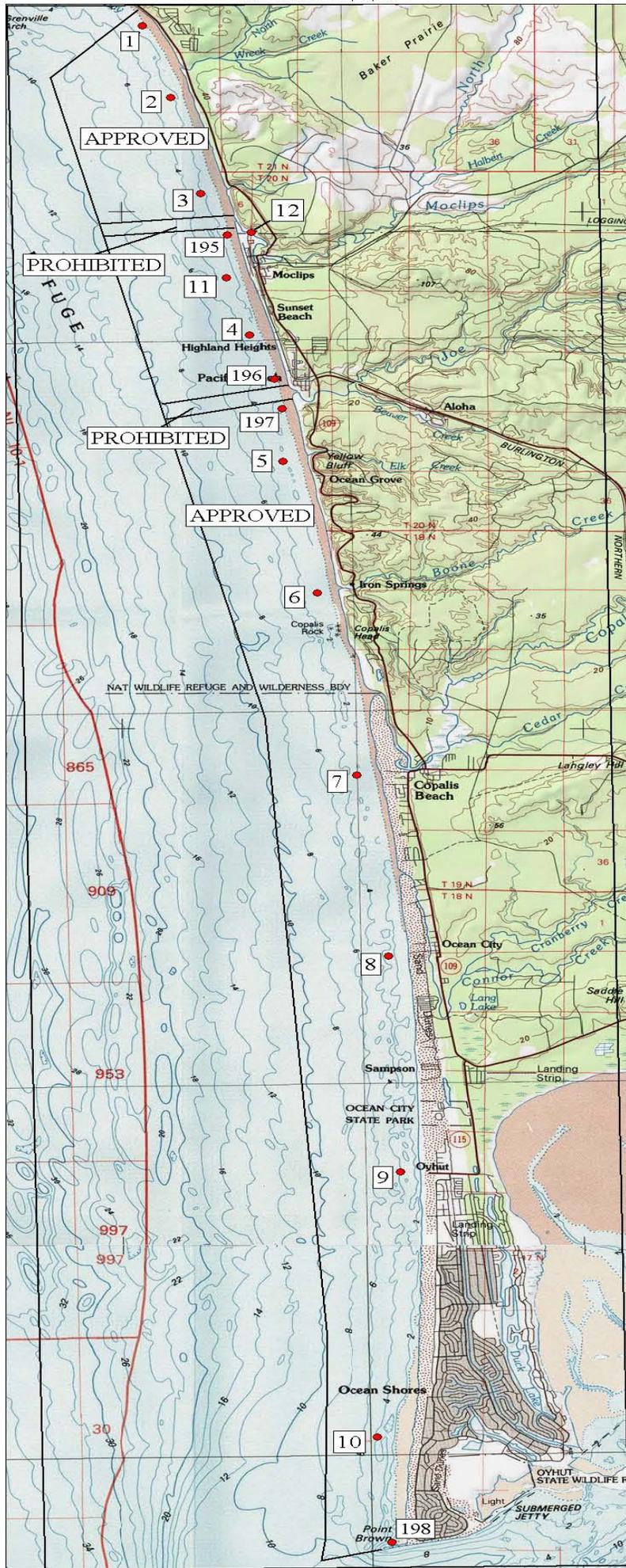
FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
1	Approved	43	1.7 - 27.0	2.3	5.0	Yes
2	Approved	30	1.7 - 23.0	2.8	7.0	Yes
3	Approved	30	1.7 - 79.0	3.9	14.0	Yes
4	Approved	30	1.7 - 130.0	4.2	21.0	Yes
5	Approved	30	1.7 - 130.0	5.6	26.0	Yes
6	Approved	30	1.7 - 70.0	4.4	17.0	Yes
7	Approved	30	1.7 - 34.0	3.1	8.0	Yes
8	Approved	30	1.7 - 33.0	2.9	8.0	Yes
9	Approved	30	1.7 - 49.0	4.4	15.0	Yes
10	Approved	30	1.7 - 33.0	3.6	11.0	Yes
11	Approved	30	1.7 - 130.0	4.3	17.0	Yes
12	Prohibited	42	1.7 - 540.0	14.7	116.0	No
195	Unclassified	55	1.7 - 350.0	4.0	18.0	Yes
196	Unclassified	44	1.7 - 540.0	4.9	25.0	Yes
197	Unclassified	43	1.7 - 240.0	5.5	27.0	Yes
198	Unclassified	44	1.7 - 33.0	3.4	10.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

† All samples have been verified.



TN MN 18°

0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 miles
0 1 2 3 4 5 km